Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (canceled)

2. (currently amended) The ~~cured sealant~~ elastomeric product of claim ~~13~~ 10 wherein component (b) comprises one or more alkenyl alkyl dialkoxysilanes, alkenylalkyldioximosilanes, alkenylalkyldiacetoxysilanes, and/or alkenylalkyldihydroxysilanes.

3. (currently amended) The ~~cured sealant~~ elastomeric product of claim ~~13~~ 10 wherein component (b) is selected from the group consisting of vinyl methyl dimethoxysilane, vinyl ethyldimethoxysilane, vinyl methyldiethoxysilane, vinylethyldiethoxysilane, vinyl methyl dioximosilane, vinyl ethyldioximosilane, vinyl methyldioximosilane, vinylethyldioximosilane, vinyl methyl diacetoxysilane, vinyl ethyldiacetoxysilane, vinyl methyldiacetoxysilane, vinylethyldiacetoxysilane, vinyl methyl dihydroxysilane, vinyl ethyldihydroxysilane, vinyl methyldihydroxysilane and vinylethyldihydroxysilane.

4. (currently amended) The ~~cured sealant~~elastomeric product of claim ~~13~~ 10 wherein component (c) comprises one or more of fumed silica, calcined silica, precipitated silica, titania, zinc oxide, clay, mica, ground calcium carbonate, precipitated calcium carbonate, magnesium carbonate, quartz, diatomaceous earth, barium sulphate, and calcium sulphate.

5. (currently amended) The elastomeric product~~cured sealant~~ of claim 4 wherein component (c) comprises a fatty acid treated precipitated calcium carbonate.

6. (currently amended) The elastomeric product~~cured sealant~~ of claim ~~13~~ 10 wherein component (d) the photocatalyst ~~component (d))~~ is a titanate.

7. (currently amended) The elastomeric product~~cured sealant~~ of claim 6 wherein the titanate has the general formula $Ti[OR^5]_4$ where each R^5 may be the same or different and represents a monovalent, primary, secondary or tertiary aliphatic hydrocarbon group which may be linear or branched containing from 1 to 10 carbon atoms.

8. (currently amended) The elastomeric product~~cured sealant~~ of claim 7 wherein R^5 may be selected from the group of methyl, ethyl, propyl, isopropyl, butyl, tertiary butyl and 2,4-dimethyl-3-pentyl.

9. (currently amended) The elastomeric product~~cured sealant~~ of claim ~~13~~ 10 wherein component (a) is a linear or substantially linear polydiorganosiloxane having terminal groups selected from $-Si(R^2)_2OH$, and $-Si(R^2)_2-(D)_d-R^3-SiR^2_k(OR^4)_{3-k}$;

where D is $-R^3-(Si(R^2)_2-O)_r-Si(R^2)_2-$, R^2 is selected from an alkyl group having from 1 to 6 carbon atoms, a vinyl group, a phenyl group and a fluorinated alkyl group, R^3 is a divalent hydrocarbon group r is a whole number between 1 and 6 and d is 0 or a whole number, R^4 is an alkyl or oxyalkyl group in which the alkyl groups have up to 6 carbon atoms and k has the value 0, 1 or 2.

10. (currently amended) An elastomeric product of a moisture cured composition, where the composition comprises:

a) an organopolysiloxane having not less than two silicon-bonded hydroxyl or hydrolysable groups;

b) a silane substantially having the formula $G_2-Si-R^1_2$, wherein each group G is the same or different and is selected from the group consisting of alkoxy, acetoxy, oxime, and hydroxy groups, and each R^1 independently represents an alkyl group having from 1 to 10 carbon atoms, an alkenyl group, an alkynyl group an aryl group, or a fluorinated alkyl group;

c) one or more fillers;

d) a photocatalyst; and

~~The cured sealant of claim 13 wherein component (e) is present in the composition and component (e)~~ ~~comprises~~ an unsaturated compound comprising an unsaturated organopolysiloxane having a degree of polymerization from 2 to 50 and at least two silicon bonded functional groups, which are reactable with the hydroxy or hydrolysable groups of component ~~(a)~~;

wherein the elastomeric product has an air-sealant interface surface with a maximum gloss value of 45.

11. (currently amended) The ~~cured sealant~~elastomeric product of claim ~~1~~310, where the composition comprises:

100 parts by weight of component (a)
from 2 to 22 parts by weight of component (b),
from 40 to 180 parts by weight of component (c), and
from 0.3 to 6 parts by weight of component (d).

12. (currently amended) An elastomeric product comprising the moisture cured composition in accordance with claim ~~1~~822.

13. (canceled)

14. (canceled)

15. (currently amended) A method of forming an elastomeric mass between surfaces which is adherent to at least two such surfaces which method comprises:

1) introducing between the surfaces a mass of a moisture curable composition comprising

a) an organopolysiloxane having not less than two silicon-bonded hydroxyl or hydrolysable groups;

b) a silane substantially having the formula $G_2 - Si - R^1_2$, wherein each group G is the same or different and is selected from the group consisting of alkoxy, acetoxy, oxime, and hydroxy groups, and each R^1 independently represents an alkyl group having from 1 to 10 carbon atoms, an alkenyl group, an alkynyl group an aryl group, or a fluorinated alkyl group;

c) one or more fillers; ~~and~~

d) a photocatalyst; and

~~wherein, when no R^1 group is either an alkenyl or alkynyl group there is provided:~~

e) an unsaturated compound comprising an unsaturated organopolysiloxane having a degree of polymerization from 2 to 50 and at least two silicon bonded functional groups, which are reactable with the hydroxy or hydrolysable groups of component a)~~selected from the group of an unsaturated short chain siloxane, an unsaturated cyclic siloxane, an unsaturated fatty acid, an unsaturated fatty alcohol and an unsaturated fatty acid ester~~; and

2) curing the composition in the presence of moisture and light to form the elastomeric mass, wherein the elastomeric mass has a maximum gloss value of 45 .

16. (currently amended) The cured sealant of claim ~~13~~10, where component (b) contains from 0.2 – 7 parts by weight alkenyl content.

17. (canceled)

18. (canceled)

19. (currently amended) The composition of claim ~~18~~ 22 wherein component (a) is a linear or substantially linear polydiorganosiloxane having terminal groups selected from $-Si(R^2)_2OH$, and $-Si(R^2)_2-(D)_d-R^3-SiR^2_k(OR^4)_{3-k}$;

where D is $-R^3-(Si(R^2)_2-O)_r-Si(R^2)_2-$, R^2 is selected from an alkyl group having from 1 to 6 carbon atoms, a vinyl group, a phenyl group and a fluorinated alkyl group, R^3 is a divalent hydrocarbon group r is a whole number between 1 and 6 and d is 0 or a whole number, R^4 is an alkyl or oxyalkyl group in which the alkyl groups have up to 6 carbon atoms and k has the value 0, 1 or 2.

20. (currently amended) The composition of claim ~~18~~ 22 wherein component (c) comprises one or more of fumed silica, calcined silica, precipitated silica, titania, zinc oxide, clay, mica, ground calcium carbonate, precipitated calcium carbonate, magnesium carbonate, quartz, diatomaceous earth, barium sulphate, and calcium sulphate.

21. (currently amended) The composition of claim ~~18~~ 22 wherein component (c) comprises a fatty acid treated precipitated calcium carbonate.

22. (currently amended) A moisture curable composition capable of cure to an elastomeric body, the composition comprising:

(a) an organopolysiloxane having not less than two silicon-bonded hydroxyl or hydrolysable groups;

(b) a silane substantially having the formula $G_2 - Si - R^1_2$ wherein each group G is the same or different and is selected from the group consisting of alkoxy, acetoxy, oxime, and hydroxy groups, and each R^1 independently represents an alkyl group having from 1 to 10 carbon atoms or a fluorinated alkyl group;

(c) one or more fillers;

(d) a photocatalyst consisting of a dialkoxy-functional chelated titanate; and

(e) an unsaturated compound, ~~The composition of claim 18~~ wherein component (e) comprises an unsaturated organopolysiloxane having a degree of polymerization from 2 to 50 and at least two silicon bonded functional groups, which are reactable with the hydroxy or hydrolysable groups of component (a).

23. (currently amended) The composition of claim ~~18~~22, wherein the composition comprises:
100 parts by weight of component (a)
from 2 to 22 parts by weight of component (b),
from 40 to 180 parts by weight of component (c), and
from 0.3 to 6 parts by weight of component (d).

24. (new) The method of claim 15 wherein component (b) comprises one or more alkenyl alkyl dialkoxysilanes, alkenylalkyldioximosilanes, alkenylalkyldiacetoxysilanes, and/or alkenylalkyldihydroxysilanes.

25. (new) The method product of claim 15 wherein component (b) is selected from the group consisting of vinyl methyl dimethoxysilane, vinyl ethyldimethoxysilane, vinyl methyldiethoxysilane, vinylethyldiethoxysilane, vinyl methyl dioximosilane, vinyl

ethyldioximosilane, vinyl methyldioximosilane, vinylethyldioximosilane, vinyl methyl diacetoxysilane, vinyl ethyldiacetoxysilane, vinyl methyldiacetoxysilane, vinylethyldiacetoxysilane, vinyl methyl dihydroxysilane, vinyl ethyldihydroxysilane, vinyl methyldihydroxysilane and vinylethyldihydroxysilane.

26. (new) The method of claim 15 wherein component (c) comprises one or more of fumed silica, calcined silica, precipitated silica, titania, zinc oxide, clay, mica, ground calcium carbonate, precipitated calcium carbonate, magnesium carbonate, quartz, diatomaceous earth, barium sulphate, and calcium sulphate.

27. (new) The method of claim 15 wherein component (d) the photocatalyst is a titanate.

28. (new) The method of claim 15 wherein component (a) is a linear or substantially linear polydiorganosiloxane having terminal groups selected from $-Si(R^2)_2OH$, and $-Si(R^2)_2-(D)_d-R^3-SiR^2_k(OR^4)_{3-k}$;

where D is $-R^3-(Si(R^2)_2-O)_r-Si(R^2)_2-$, R^2 is selected from an alkyl group having from 1 to 6 carbon atoms, a vinyl group, a phenyl group and a fluorinated alkyl group, R^3 is a divalent hydrocarbon group r is a whole number between 1 and 6 and d is 0 or a whole number, R^4 is an alkyl or oxyalkyl group in which the alkyl groups have up to 6 carbon atoms and k has the value 0, 1 or 2.